



JC03 Rec'd PCT/PTO 14 NOV 2005

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: 10/552,004 ✓

Attorney Docket No.: UOHIP002

Application No.: Michael J. Antal, Jr.

Examiner: Unknown

Filed: October 4, 2005

Group: Unknown

Title: CARBONIZED CHARCOAL ELECTRODE

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first-class mail on November 9, 2005 in an envelope addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Signed:

Valerie Olsen

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
37 CFR §§1.56 AND 1.97(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The references listed in the attached PTO Form 1449, copies of which are attached, may be material to examination of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is: (i) filed within three (3) months of the filing date of the above-referenced application, (ii) believed to be filed before the mailing date of a first Office Action on the merits, or (iii) believed to be filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under §1.114. Accordingly, it is believed that no fees

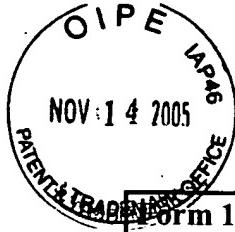
are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 500388 (Order No. UOHIP002).

Dated: November 9, 2003

Respectfully submitted,  
BEYER WEAVER & THOMAS, LLP

  
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NOV 14 2005

<b>Form 1449 (Modified)</b> <b>Supplemental Information Disclosure Statement By Applicant</b> (Use Several Sheets if Necessary)		Atty Docket No. UOHIP002	Application No.: 10/552,004
		Applicant: Michael J. Antal, Jr.	
		Filing Date 10/04/05	Group Unknown

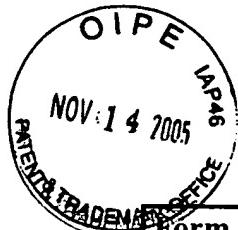
**U.S. Patent Documents**

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-Class	Filing Date
A1		6,692,861	02/17/04	Tao			
A2							
A3							

**Other Documents**

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	C1✓	Williams, K.R., Ed., <i>An Introduction to Fuel Cells</i> , Elsevier Publishing Co.: Amsterdam, 1966.
	C2✓	Bockris, J.O. M.; Srinivasan, S., <i>Fuel Cells: Their Electrochemistry</i> , McGraw-Hill Book Co.: New York, 1969.
	C3✓	Vielstich, W., <i>Fuel Cells</i> , Wiley-Interscience: London, 1965.
	C4✓	Gur, T.M.; Huggins, R.A., "Direct Electrochemical Conversion of Carbon to Electrical Energy in a High Temperature Fuel Cell", <i>J. Electrochem. Soc.</i> , 1992, 139, L95.
	C5✓	Antal, M.J.; Gronlin, M.G., "The Art, Science, and Technology of Charcoal Production", <i>Ind. Eng. Chem. Res.</i> , 2003, 42, 1619.
	C6✓	Ford, A.R.; Greenhalgh, E., "Industrial Applications of Carbon and Graphite", <i>Modern Aspects of Graphite Technology</i> ; L.C.F. Blackman, Eds.; Academic Press: London, 1970; p 258.
	C7✓	Coutinho, A.R.; Luengo, C.A., "Preparing and Characterizing Electrode Grade Carbons from Eucalyptus Pyrolysis Products", <i>Advances in Thermochemical Biomass Conversion</i> , A.V. Bridgwater, Eds.; Blackie
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form 1449 (Modified)

**Supplemental Information Disclosure  
Statement By Applicant**  
 (Use Several Sheets if Necessary)

Atty Docket No. UOHIP002 Application No.: 10/552,004  
 Applicant: Michael J. Antal, Jr.  
 Filing Date 10/04/05  
 Group Unknown

**U.S. Patent Documents**

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-Class	Filing Date
	A1						
	A2						
	A3						

**Other Documents**

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	C8 ✓	Coutinho, A.R.; Luengo, C.A., "Mass Balance of Biocarbon Electrodes Obtained by Experimental Bench Production", <i>Developments in Thermochemical Biomass Conversion</i> ; A.V. Bridgwater and D.G.B. Boocock, Eds.; Blackie Academic & Professional: London, 1997; p. 305.
	C9 ✓	Coutinho, A.R.; Rocha, J.D.; Luengo, C.A., "Preparing and characterizing biocarbon electrodes", <i>Fuel Processing Technology</i> , 2000, 67, 93.
	C10 ✓	S. Mrozowski, "Studies Of Carbon Powders Under Compression I", Proceedings of the third Biennial Carbon Conference, 1957, Pergamon Press, pp. 495-508.
	C11	
C	C12	
	C13	
	C14	
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.